

USACE IT/IM Migration Strategy

Decision Briefing
Board of Directors
5 February 1998

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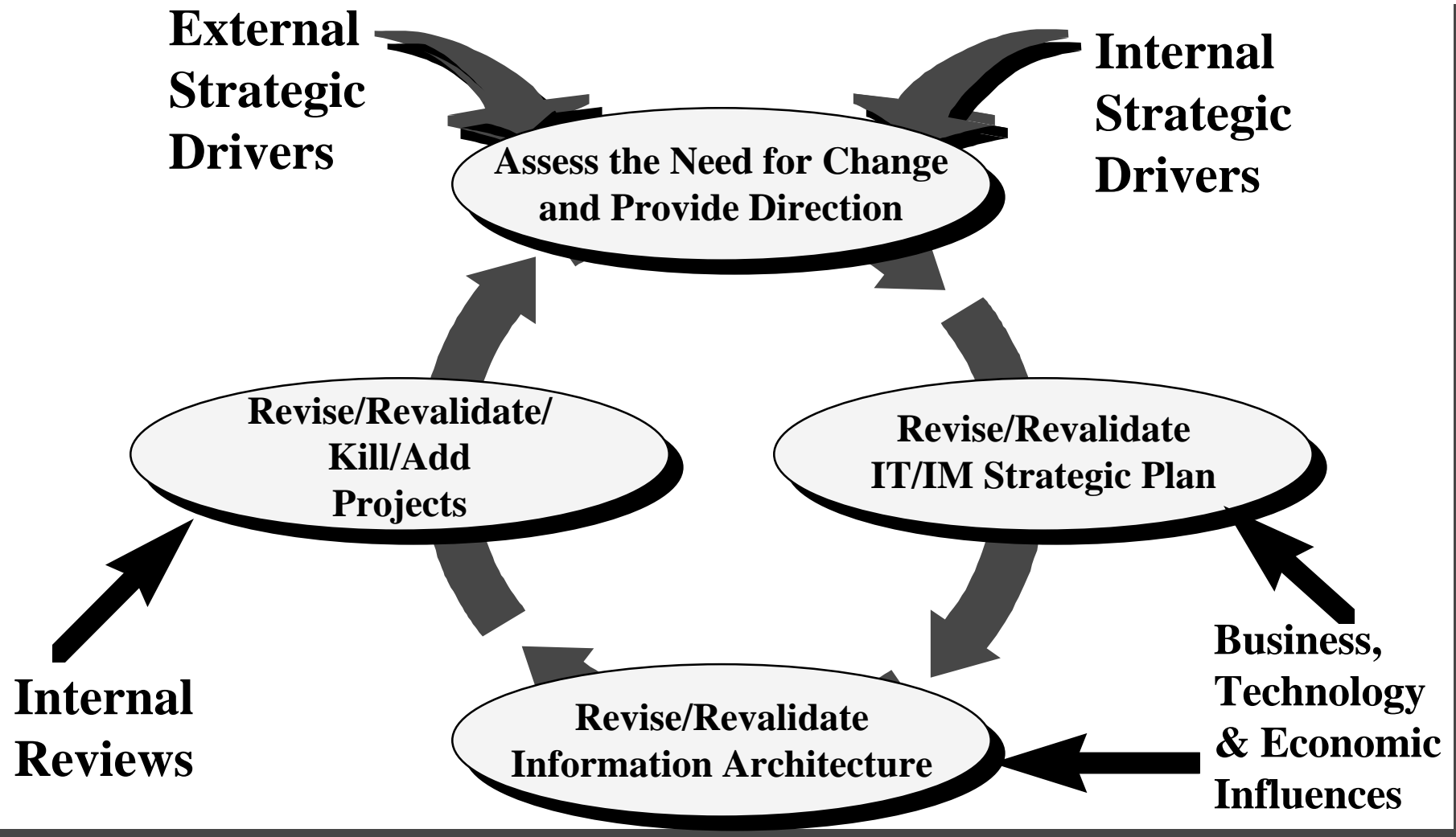
Agenda

- Mission
- IT/IM Strategic Planning Process
- Architecture 2000+ Overview
- How IT/IM Strategy supports Campaign Plan
- Corporate IT Initiatives for CY 1998
- Conclusion

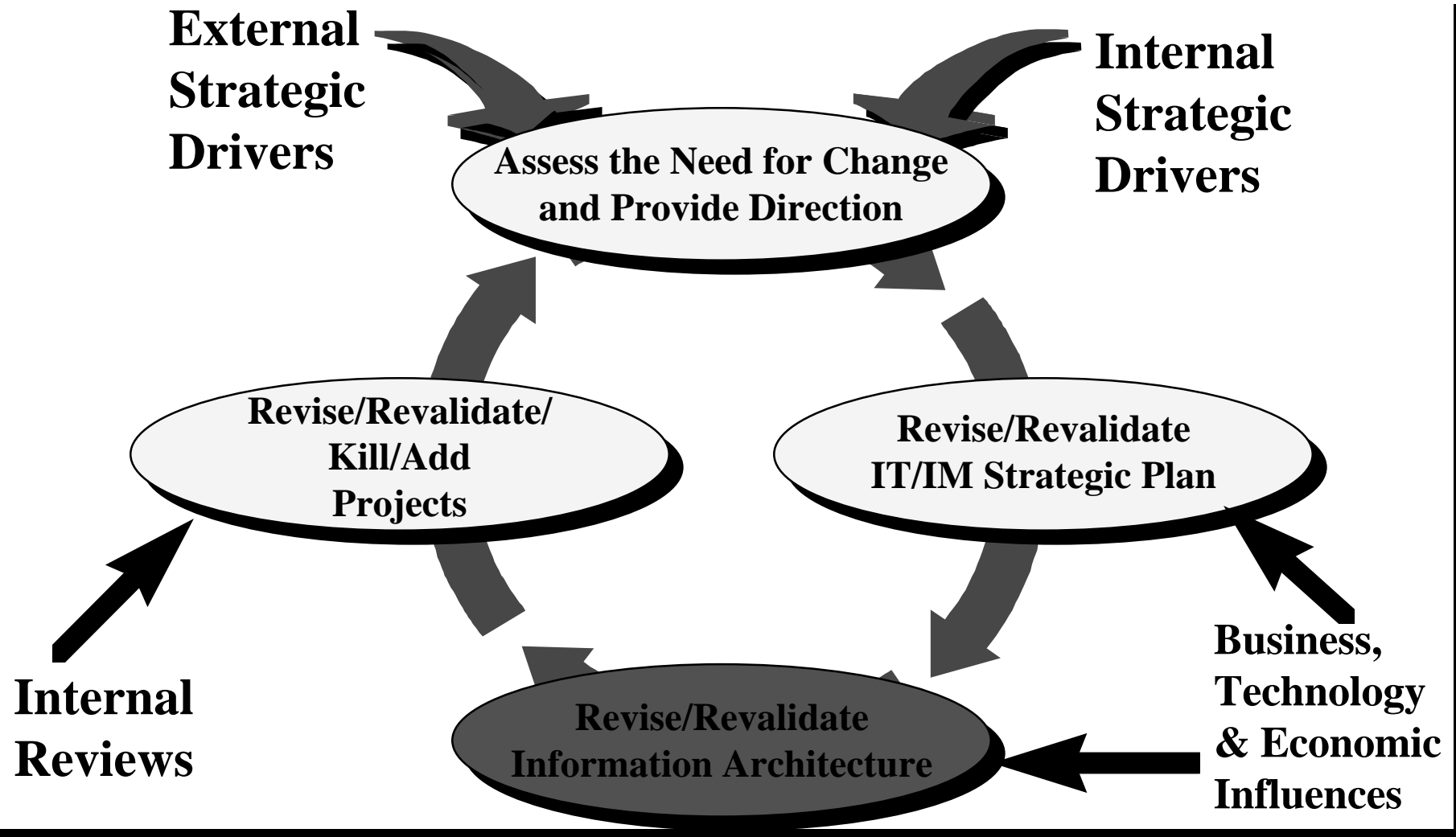
IT/IM Environment Mission Statement

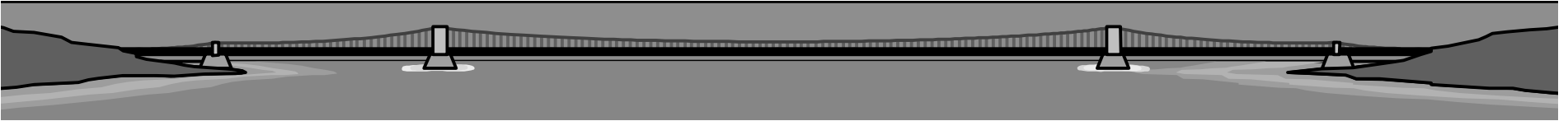
The IM mission is to provide USACE employees and contractors with the capability to readily acquire, store, share, use, disseminate, and protect the information needed to successfully accomplish their jobs; and to acquire and sustain an IT environment that supports USACE business strategies and goals while improving mission performance and customer satisfaction.

IT/IM Strategic Planning Process



IT/IM Strategic Planning Process

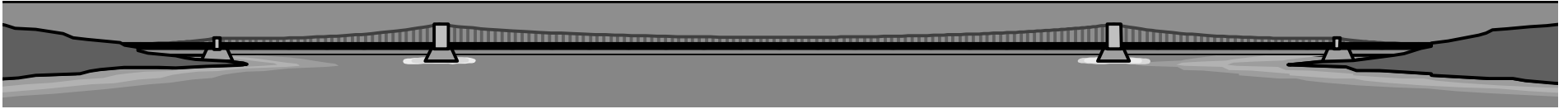




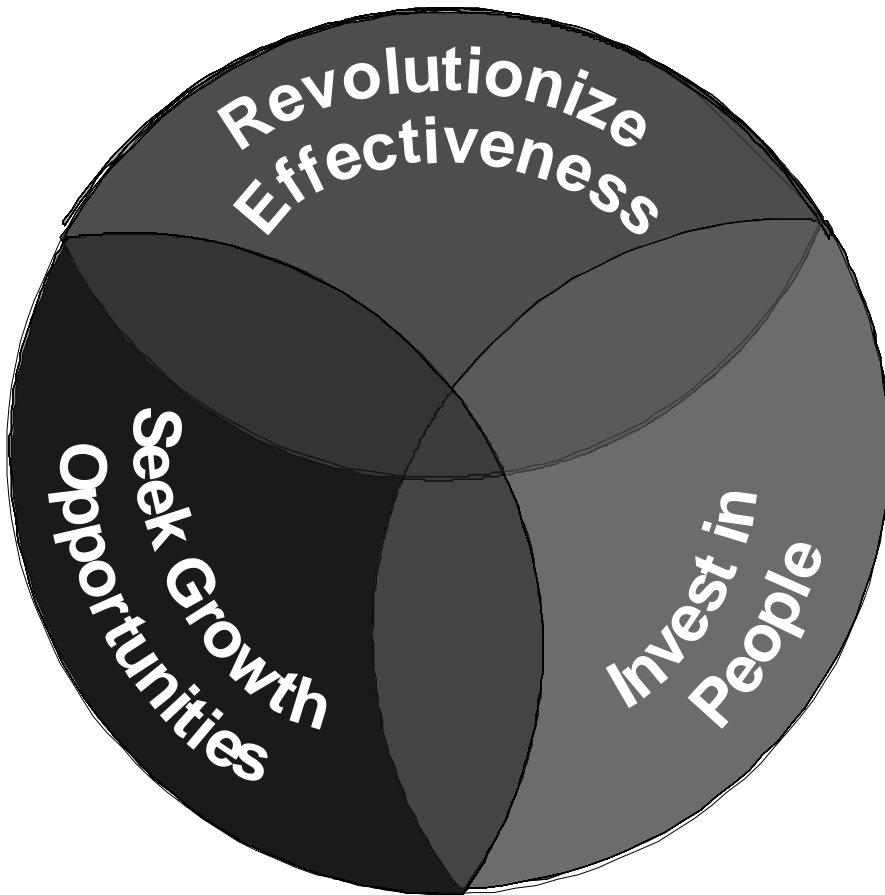
ARCHITECTURE 2000+

INFORMATION BRIEFING TO BOARD OF DIRECTORS

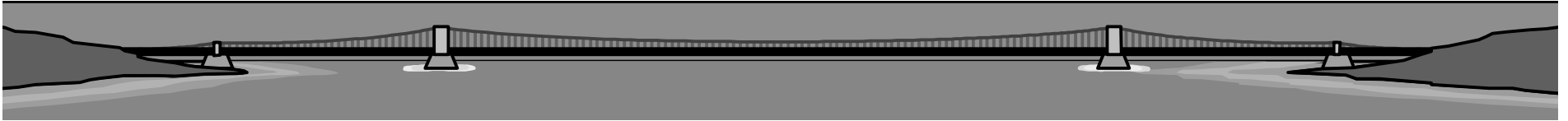
WEB SITE for A2k+:
<http://www.usace.army.mil/im/ceimp/arch.html#PH2>



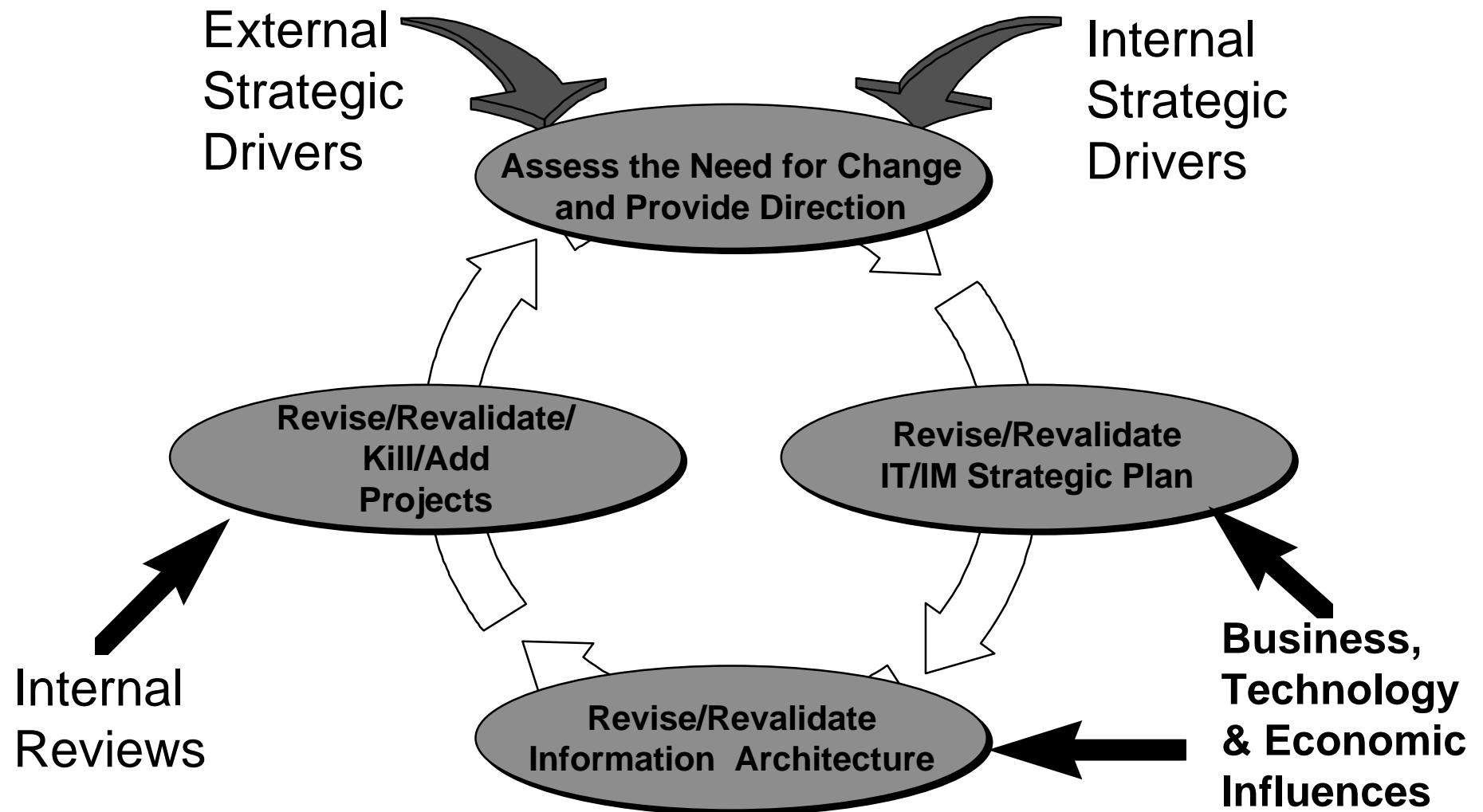
STRATEGIC VISION



- Sets the Direction for Organizational Change
- Establishes the Top Level Guidance for IT/IM Planning



STRATEGIC PLANNING PROCESS



DEFINITION OF USACE INFORMATION ARCHITECTURE

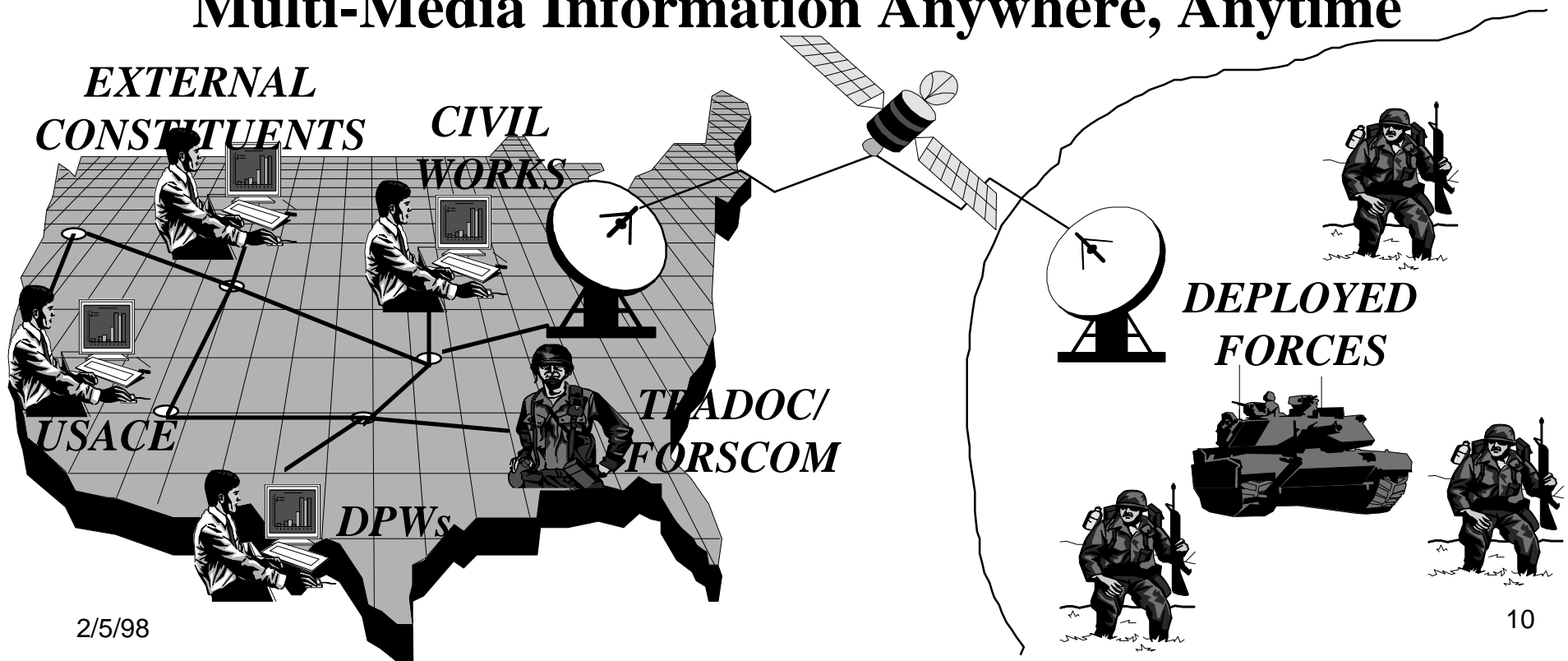
Definition: The USACE Information Architecture is an integrated framework for evolving information resources to achieve our strategic goals.

This integrated framework consists of:

- Results descriptions
- Business, information, applications and technology components
- Component interrelationships
- Principles and guidelines governing component design
- Products and services to build components

THE USACE FUTURE IT ENVIRONMENT

**The Ability for Authorized Users
to Transparently
Create, Retrieve, Update, Delete, Exchange and Share
Multi-Media Information Anywhere, Anytime**



2/5/98

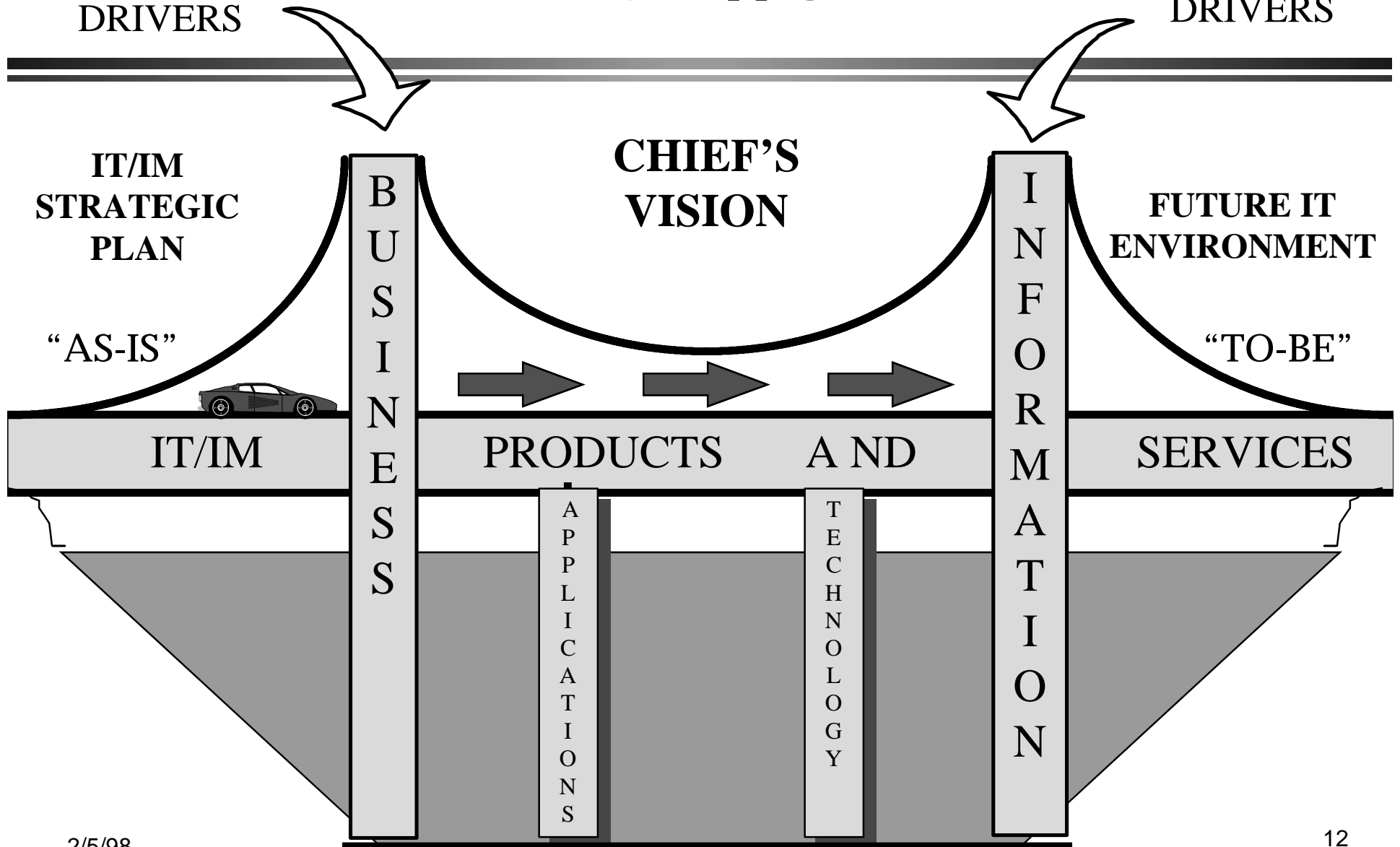
CHARACTERISTICS OF THE FUTURE IT ENVIRONMENT

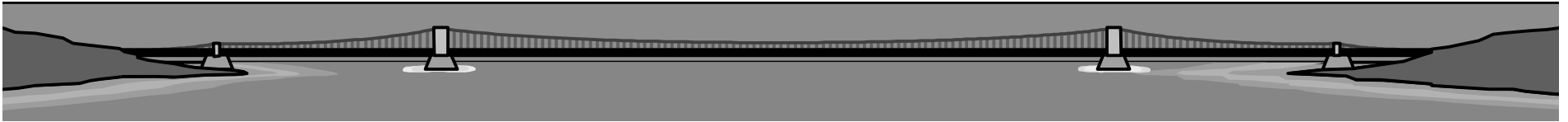
- **Dynamic Environment and Moving Target**
- **Information-Centric**
 - » **Web-Based**
 - » **Single Authoritative Source of Data, Replicated as Needed**
- **Mobile Users**
- **Mix of “Pushing” and “Pulling” Information**
- **Open, Flexible Applications and Technologies**
- **Global Reach**
- **Secure**
- **Multi-Media Interface (Voice, Touch, Sight, and Sound)**
- **Agile Network and Infrastructure**
- **Technology and Application “Commodities”**

ARCHITECTURE FRAMEWORK

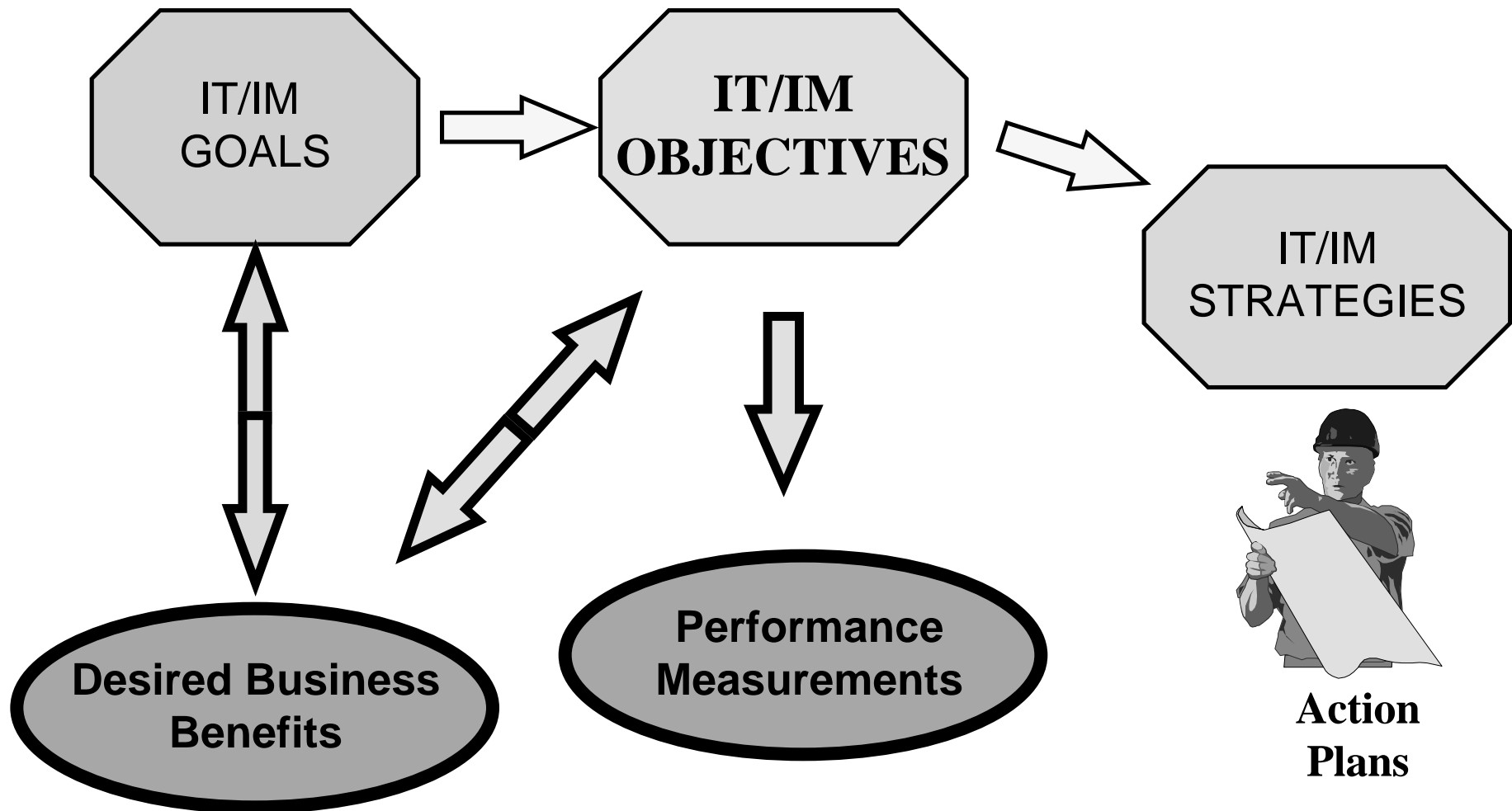
EXTERNAL
STRATEGIC
DRIVERS

INTERNAL
STRATEGIC
DRIVERS





IT/IM STRATEGIC PLAN



IT/IM Migration Strategy

Goal (6)

- Transparently Share Information
- Promote a Common Working Environment
- Protect Information
- Satisfy Internal/External Customer Information Needs
- Be Cost Effective
- Plan for the Future Use of IT



Corps Plus ↔ Action Plans





Lay out the Infrastructure

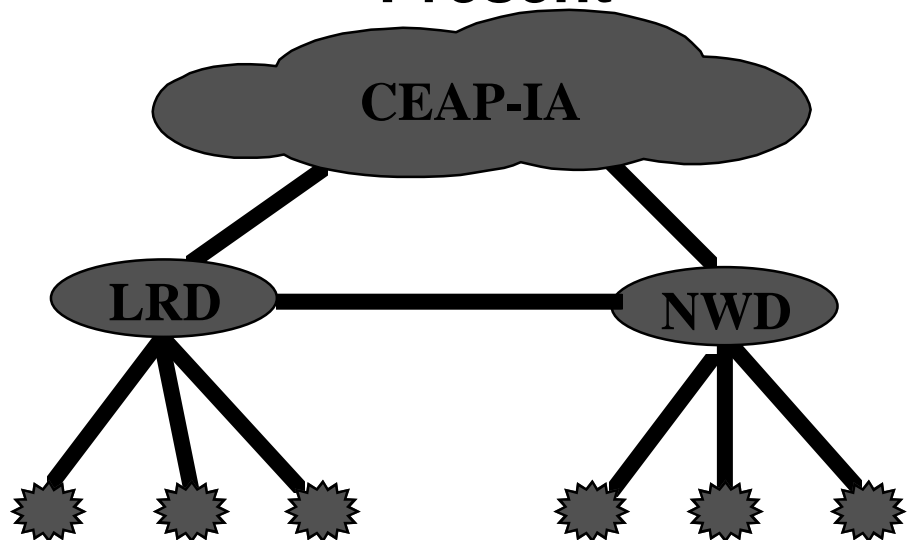
Information Delivery

Today	FY98	1999-2000
<p><u>Tech</u></p> <ul style="list-style-type: none"> ■ Redundant T1 at 12 CONUS Hubs ■ Single T-1 to CONUS Districts <p><u>Capability</u></p> <ul style="list-style-type: none"> ■ Div have redundant Circuits ■ Districts = Move data, E-mail 	<p><u>Tech</u></p> <ul style="list-style-type: none"> ■ Backup 56 kbps Circuits ■ ISDN, dedicated circuit, or Frame Relay below District <p><u>Capability</u></p> <ul style="list-style-type: none"> ■ Redundancy to District level ■ All Corps of Engineers has access to CEAP <p><u>Cost</u></p> <ul style="list-style-type: none"> ■ 56 kbps = 900K (Annual) 	<p><u>Tech</u></p> <ul style="list-style-type: none"> ■ T-3 ATM to 7 CONUS Division HQ ■ 2 T-1s to POD ■ Redundant T-1s to Districts <p><u>Capability</u></p> <ul style="list-style-type: none"> ■ Redundancy Desktop VTC at Div ■ 5 Concurrent Desktop VTC at District <p><u>Cost</u></p> <ul style="list-style-type: none"> ■ T-3 +2T-1s =1.7M ■ Redundant T-1s = 1.8M ■ Avg. = 60K/year



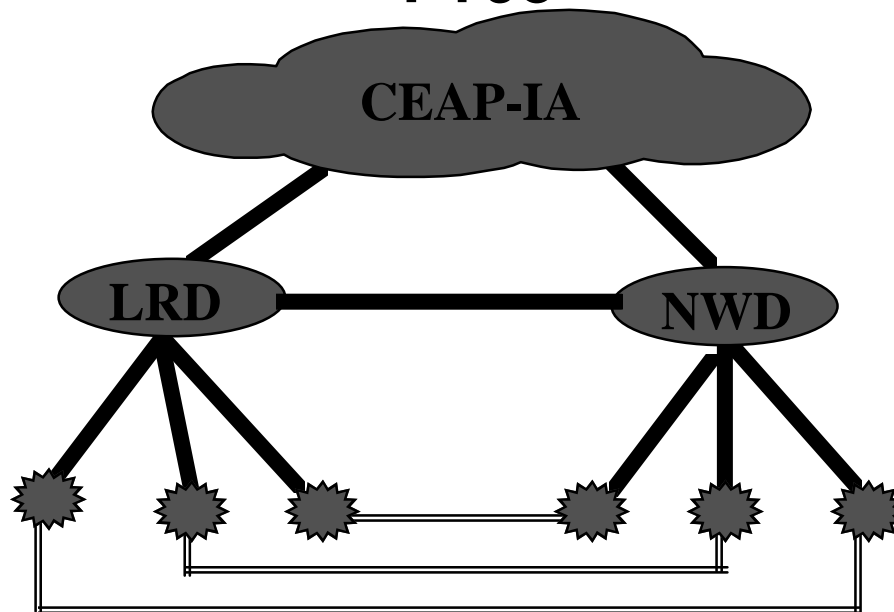
Lay out the Infrastructure Information Delivery Redundant Circuits at the District Level

Present



- 12 CONUS Divisions/Regions Connected with Redundant T1
- POD 256k Primary with 56 kbps backup
- CONUS Districts Connected via Single T1 Link
- POJ & TAE Single 256k; POF Single 128k
- Connectivity to Most Area and Resident Offices

FY98

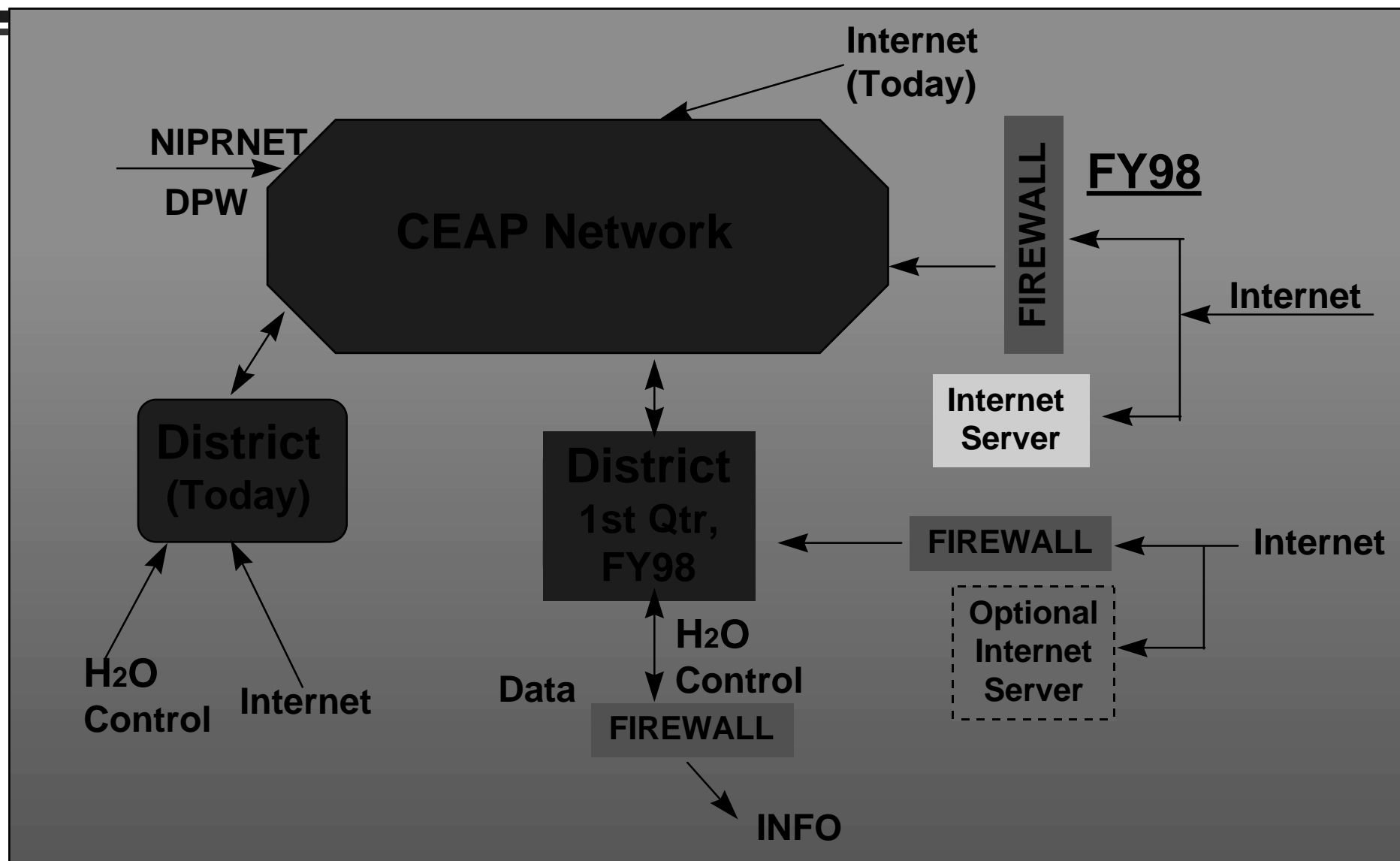


Enhancements

- Backup 56 kbps Circuits Provided to all Districts \$900,000
- Connectivity Provided to Remaining Area and Resident Offices
Survey Required to Determine Cost



Enhanced Security & Protection Firewalls

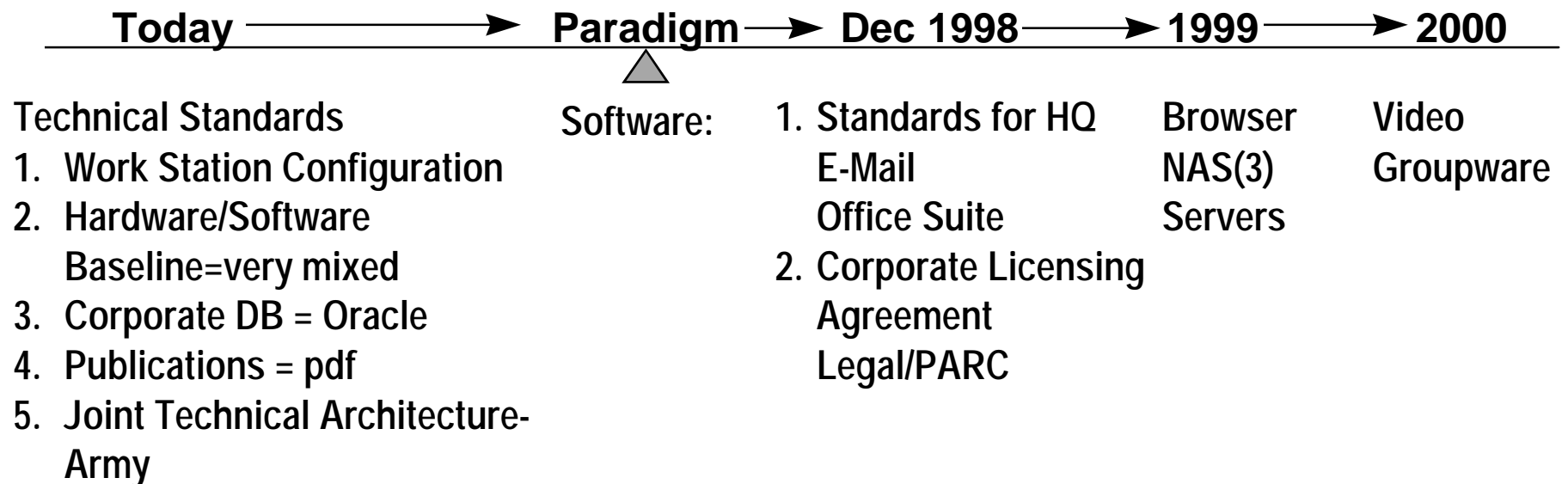




Standardize Software at the Desktop Level

Fully Integrated Business Process

Standardized E-mail & Office Automation Suite



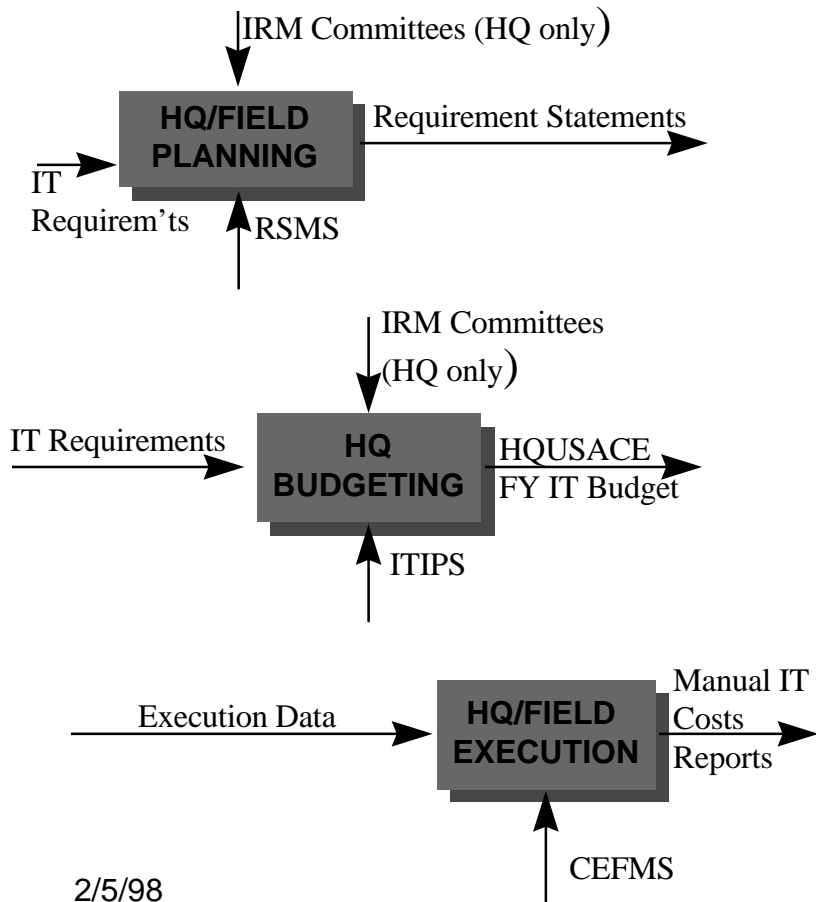


The Corps of Engineers needs a plan to control cost

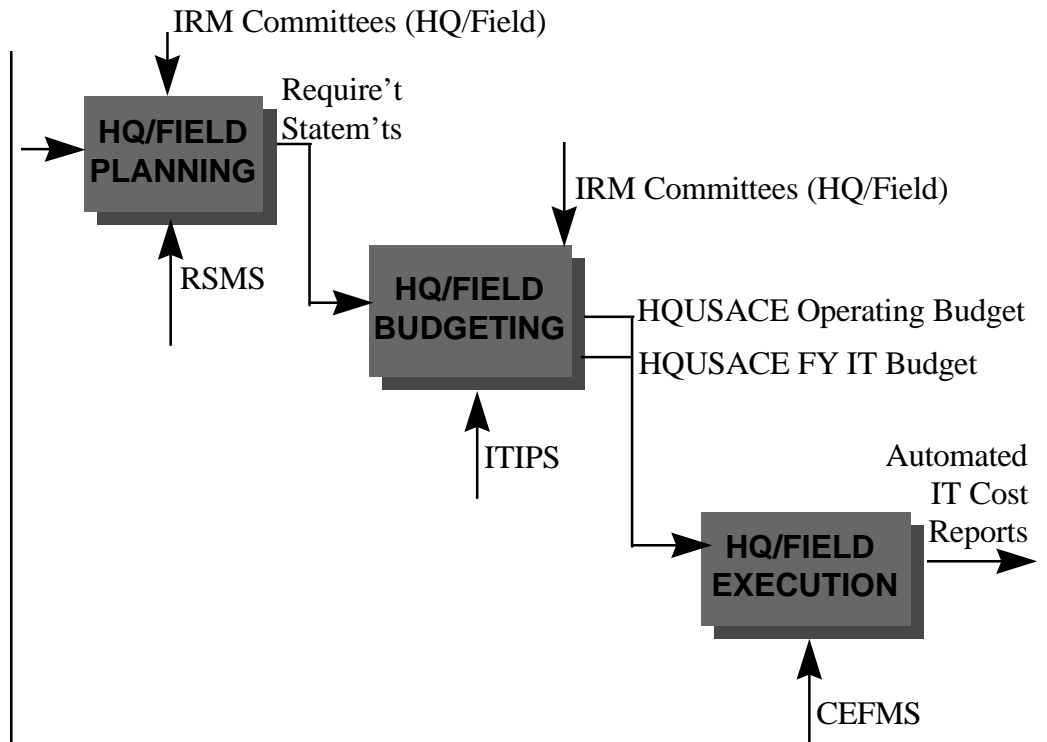
IM Develop a plan for tighter control to the desktop level

Reduce the Cost of Doing Business

CURRENT



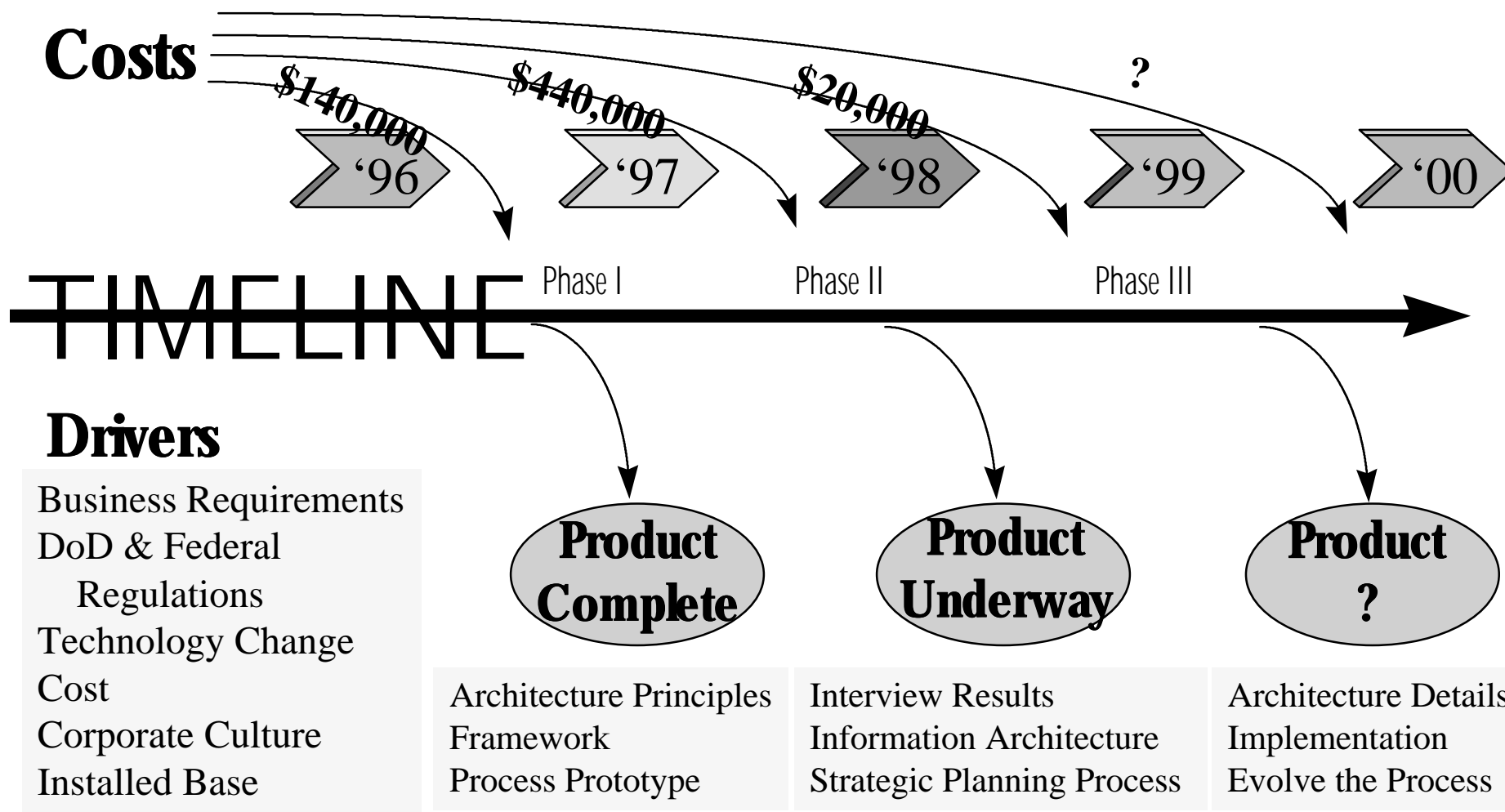
FUTURE





Reshape the Culture

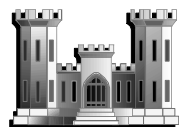
Architecture 2000+



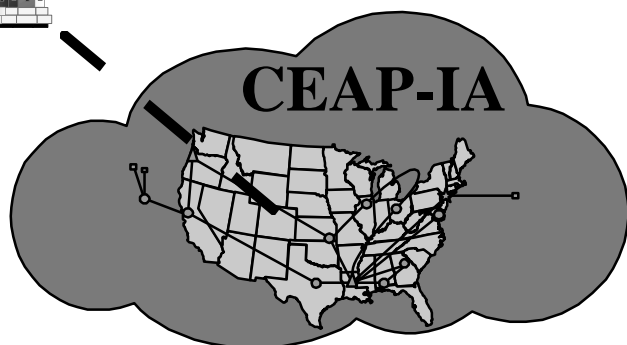


Customer Satisfaction

Enhance E-mail Capability at DPWs

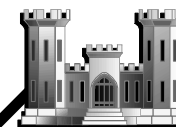
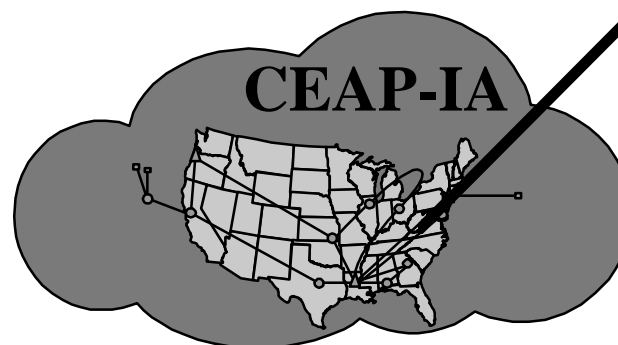


Today



Estimated Annual Cost
Estimated Completion

FY98



Dial-In
1-800-no.

\$500,000
30 Aug 98

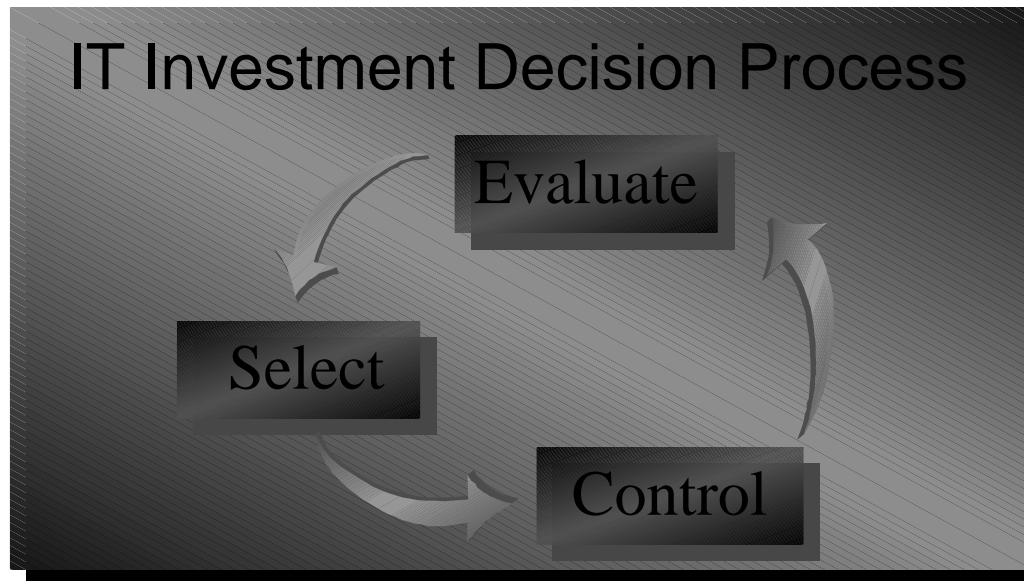
Capabilities:

Mail Boxes for Those Without
File Transfer Capability
Internet Access
Web Services
DPW Home Pages
Web Browsing

IT Capital Planning and Investment Concepts

3 Key Questions

1. Should the Corps be doing this work at all?
2. Can someone else (government agency or private sector) do the work better?
3. If not, is the work organized and being done the best way possible



IT/IM Strategic Plan Benefits

“To achieve our Vision and get out in front of the changes required by technology and the future realities, we must strike out boldly... Success will come from a carefully sculpted, aggressive plan.”

Lieutenant General Joe N. Ballard
Commander
U.S. Army Corps of Engineers

Conclusion

● APPROVAL

- » BOD Approval of IT/IM Strategic Plan
 - IT/IM Strategic Planning Process
 - Corporate IT Initiatives for CY 1998
 - IT Capital Planning and Investment Concepts

● RELATED ISSUES

- » Development of IT Acquisition Strategy
 - PARC Should Have Lead
- » HR Strategic Training Plan Must Address Corps-wide IT Skill Set Requirements